

SINCE



1952

## PAINTS FOR INDUSTRY

# METAL-CLAD<sup>®</sup> ALKYD ENAMEL

### EXTREME HIGH GLOSS

All purpose, durable utility enamel designed for new construction, industrial maintenance, OEM, and metal fabrication applications. Combines state-of-the-art corrosion protection with excellent gloss retention and superior durability. Ideal for use on structural steel, ornamental iron, machinery, and equipment. May be applied direct to metal without a primer.

- ✓ Military grade
- ✓ Meets Federal Standard **TT-E-489J**
- ✓ Excellent color & gloss retention
- ✓ Superior chip & flake resistance
- ✓ Protects against oil, grease, fumes, & mild chemicals
- ✓ VOC compliant

## RECOMMENDED USES

For interior or exterior application to all properly prepared ferrous and non-ferrous metal surfaces, including structural steel, piping, tank exteriors, machinery and equipment, utility trailers, wrought iron, racking, handrails, and joists.

## RECOMMENDED SYSTEM

- 1 coat Metalize<sup>®</sup> Alkyd Primer
- 1 coat Metal-Clad<sup>®</sup> Alkyd Enamel

## SURFACE PREPARATION

Surface should be clean, dry, and free of all contaminants such as oil, rust, loose paint, mill scale, and any other detrimental matter to ensure proper adhesion. Ultra-Bond<sup>®</sup> Metal Cleaner is the recommended cleaning solution for all steel surfaces. The use of Ultra-Bond<sup>®</sup> will significantly improve adhesion on nonferrous metal surfaces such as aluminum and galvanized steel.

SSPC-SP2 Hand Tool Cleaning is the minimum recommended level of surface preparation. For best possible performance, use commercial blast cleaning per SSPC-SP6/NACE 3.

Warning! The removal of old paint may release lead dust. Lead is toxic and can cause serious illness and brain damage, especially in children and pregnant women. Before removing old paint, ensure the use of proper protective equipment, including a NIOSH approved respirator. For more information, call the National Lead Information Center at 1-800-424-LEAD.

## CLEAN UP

Equipment, hoses, and spills can be cleaned with AC-3 (Zero VOC Reducer) or acetone.

## TECHNICAL DATA

<b>Vehicle</b>	Modified alkyd
<b>Finish</b>	High gloss (>90 units @ 60°)
<b>Color</b>	Full range available
<b>Volume Solids<sup>†</sup></b>	58 - 62%
<b>Weight Solids<sup>†</sup></b>	68 - 74%
<b>Weight per Gallon<sup>†</sup></b>	9-10 lbs
<b>Viscosity<sup>†</sup></b>	50-60 #4 Ford / 150-200 cP
<b>VOC</b>	Less than 340 g/L (2.8 lbs/gal)
<b>Shelf Life</b>	2 years unopened
<b>Recommended DFT</b>	2.0 - 3.0 mil <sup>2</sup>
<b>Coverage</b>	300 - 400 ft / gal (theoretical)
<b>Packaging</b>	1 gallon, 5 gallon, and 55 gallon containers
<b>Application</b>	Airless or conventional spray
<b>Drying Time<sup>*</sup></b>	@ 76°F, 50% RH 5 hours to touch 6 hours to recoat 10 hours to handle 7 days to cure

<sup>†</sup> May vary by color.

\* Dry time varies by temperature, humidity, and film thickness.

## APPLICATION

<b>Ambient Temperature</b>	40°F - 120°F
<b>Relative Humidity</b>	85% maximum
<b>Recommended Reducer</b>	AC-3 (Zero VOC Reducer) or acetone
<b>Airless Spray</b>	
Pressure	1,800 psi
Hose	0.25" ID
Tip	.015" - .017"
Filter	60 mesh
Reduction	Not Recommended
<b>Conventional / HVLP</b>	
Spray Gun	Binks 95 or similar
Fluid Nozzle	63C
Air Nozzle	63PB
Atomization Pressure	40 PSI
Fluid Pressure	15 - 20 PSI
Reduction	As needed up to 5% by vol.
<b>Brush (touch up only)</b>	
Material	Nylon/Polyester

## ADDITIONAL INFORMATION

Coating performance is dependent upon adequate surface preparation and proper application. The information and recommendations contained in this product bulletin are based upon tests conducted by or on behalf of PFI, Inc. and are correct to the best of our knowledge. Such information is subject to change and pertains to the product offered for sale at the time of publication. All information and recommendations herein are made without guarantee or representation as to the end result, since the conditions of use, including variations in customer handling and methods of application, are not known and beyond our control. The user is encouraged to test the complete coating system for adhesion and compatibility prior to full-scale production.

**This product is intended for professional industrial use only.** Thoroughly review the product label and Safety Data Sheet before using. Product information, including the SDS and a copy of this PDS is available online at [www.pfiinc.net](http://www.pfiinc.net) or by request. This product is free of lead and chrome.

**Warranty and limitation of Seller's liability:** PFI, Inc. warrants only that the products represented herein meet the formulation standards of PFI, Inc. This warranty shall be in lieu of any other warranty, expressed or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. There are no warranties that extend beyond the description on the face hereof. The buyer's sole and exclusive remedy against PFI, Inc. shall be for replacement of the product in the event a defective condition of the product should be found to exist, and the exclusive remedy shall not have failed its essential purpose so long as PFI, Inc. is willing to provide comparable replacement product to the buyer. No other remedy (including but not limited to incidental or consequential damages for lost profits, lost sales, injury to persons or property, environmental injuries, or any other incidental or consequential loss) shall be available to the buyer.



9215 Santa Fe Springs Road  
Santa Fe Springs, CA 90670  
562-946-6666  
info@pfiinc.net